

# Eileen M Hasser

## List of Publications by Citations

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41  
papers

888  
citations

18  
h-index

29  
g-index

45  
ext. papers

959  
ext. citations

3  
avg, IF

4.04  
L-index

#	Paper	IF	Citations
41	Endogenous brain-derived neurotrophic factor in the nucleus tractus solitarius tonically regulates synaptic and autonomic function. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 12318-29	6.6	62
40	Hindlimb unweighting decreases ecNOS gene expression and endothelium-dependent dilation in rat soleus feed arteries. <i>Journal of Applied Physiology</i> , <b>1999</b> , 87, 1476-82	3.7	59
39	Hypoxia activates nucleus tractus solitarii neurons projecting to the paraventricular nucleus of the hypothalamus. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2012</b> , 302, R1219-32	3.2	57
38	Area postrema and sympathetic nervous system effects of vasopressin and angiotensin II. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2000</b> , 27, 432-6	3	54
37	Hindlimb unweighting decreases endothelium-dependent dilation and eNOS expression in soleus not gastrocnemius. <i>Journal of Applied Physiology</i> , <b>2001</b> , 91, 1091-8	3.7	51
36	Putative role of the NTS in alterations in neural control of the circulation following exercise training in rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2006</b> , 290, R383-92	3.2	47
35	Regulation of sympathetic nervous system function after cardiovascular deconditioning. <i>Annals of the New York Academy of Sciences</i> , <b>2001</b> , 940, 454-68	6.5	45
34	Increased GABA(A) inhibition of the RVLM after hindlimb unloading in rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2002</b> , 283, R604-14	3.2	39
33	Regulation of arterial pressure by the paraventricular nucleus in conscious rats: interactions among glutamate, GABA, and nitric oxide. <i>Frontiers in Physiology</i> , <b>2012</b> , 3, 490	4.6	35
32	Hindlimb unloading and female gender attenuate baroreflex-mediated sympathoexcitation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2005</b> , 289, R1440-7	3.2	32
31	Depressed GABA and glutamate synaptic signaling by 5-HT1A receptors in the nucleus tractus solitarii and their role in cardiorespiratory function. <i>Journal of Neurophysiology</i> , <b>2014</b> , 111, 2493-504	3.2	29
30	Glutamate in the nucleus of the solitary tract activates both ionotropic and metabotropic glutamate receptors. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>1998</b> , 275, R1858-66	3.2	28
29	Acute hypoxia activates neuroendocrine, but not presympathetic, neurons in the paraventricular nucleus of the hypothalamus: differential role of nitric oxide. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2017</b> , 312, R982-R995	3.2	26
28	Catecholaminergic neurons projecting to the paraventricular nucleus of the hypothalamus are essential for cardiorespiratory adjustments to hypoxia. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2015</b> , 309, R721-31	3.2	25
27	Acute systemic hypoxia activates hypothalamic paraventricular nucleus-projecting catecholaminergic neurons in the caudal ventrolateral medulla. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2013</b> , 305, R1112-23	3.2	24
26	Expression of Group I metabotropic glutamate receptors on phenotypically different cells within the nucleus of the solitary tract in the rat. <i>Neuroscience</i> , <b>2009</b> , 159, 701-16	3.9	23
25	Glial EAAT2 regulation of extracellular nTS glutamate critically controls neuronal activity and cardiorespiratory reflexes. <i>Journal of Physiology</i> , <b>2017</b> , 595, 6045-6063	3.9	20

24	Excitatory amino acid transporters tonically restrain nTS synaptic and neuronal activity to modulate cardiorespiratory function. <i>Journal of Neurophysiology</i> , <b>2016</b> , 115, 1691-702	3.2	18
23	Hindlimb unloading alters nitric oxide and autonomic control of resting arterial pressure in conscious rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2005</b> , 289, R140-7	3.2	17
22	Increased nitric oxide synthase activity and expression in the hypothalamus of hindlimb unloaded rats. <i>Brain Research</i> , <b>2006</b> , 1115, 65-74	3.7	16
21	Cardiovascular response to group I metabotropic glutamate receptor activation in NTS. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>1999</b> , 276, R1469-78	3.2	16
20	Hypoxia activates a neuropeptidergic pathway from the paraventricular nucleus of the hypothalamus to the nucleus tractus solitarii. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2018</b> , 315, R1167-R1182	3.2	16
19	Regulation of plasma vasopressin and renin activity in conscious hindlimb-unloaded rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2006</b> , 291, R46-52	3.2	12
18	Enhanced sympathoinhibitory response to volume expansion in conscious hindlimb-unloaded rats. <i>Journal of Applied Physiology</i> , <b>2003</b> , 94, 1806-12	3.7	12
17	Cardiovascular response to a group III mGluR agonist in NTS requires NMDA receptors. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2005</b> , 289, R198-208	3.2	10
16	Sustained Hypoxia Alters nTS Glutamatergic Signaling and Expression and Function of Excitatory Amino Acid Transporters. <i>Neuroscience</i> , <b>2020</b> , 430, 131-140	3.9	7
15	The PVN enhances cardiorespiratory responses to acute hypoxia via input to the nTS. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2019</b> , 317, R818-R833	3.2	7
14	Relaxin increases sympathetic nerve activity and activates spinally projecting neurons in the paraventricular nucleus of nonpregnant, but not pregnant, rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2015</b> , 309, R1553-68	3.2	7
13	Loss of excitatory amino acid transporter restraint following chronic intermittent hypoxia contributes to synaptic alterations in nucleus tractus solitarii. <i>Journal of Neurophysiology</i> , <b>2020</b> , 123, 2122-2135	3.2	5
12	Astrocytic glutamate transporters reduce the neuronal and physiological influence of metabotropic glutamate receptors in nucleus tractus solitarii. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2020</b> , 318, R545-R564	3.2	5
11	Unilateral vagotomy alters astrocyte and microglial morphology in the nucleus tractus solitarii of the rat. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2021</b> , 320, R945-R959	3.2	3
10	Thrombin action on astrocytes in the hindbrain of the rat disrupts glycemic and respiratory control. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2020</b> , 318, R1068-R1077	3.7	2
9	Mechanisms Underlying Neuroplasticity in the Nucleus Tractus Solitarii Following Hindlimb Unloading in Rats. <i>Neuroscience</i> , <b>2020</b> , 449, 214-227	3.9	1
8	Gamma-Aminobutyric Acid Transporters in the Nucleus Tractus Solitarii Regulate Inhibitory and Excitatory Synaptic Currents That Influence Cardiorespiratory Function.. <i>Frontiers in Physiology</i> , <b>2021</b> , 12, 821110	4.6	0
7	Ionotropic and Metabotropic Glutamate Receptors Contribute to Cardiorespiratory Responses to Inhibition of Astrocytic Excitatory Amino Acid Transporters. <i>FASEB Journal</i> , <b>2019</b> , 33, 742.10	0.9	

- 6 Brain Derived Neurotrophic Factor (BDNF) blunts neural activity in the nucleus tractus solitarius (nTS). *FASEB Journal*, **2009**, 23, 1011.5 0.9
- 5 Acute hypoxia (AH) augments Fos expression in hypothalamic paraventricular nucleus (PVN)-projecting neurons in the caudal ventrolateral medulla (CVLM). *FASEB Journal*, **2011**, 25, 1077.21 0.9
- 4 Activation of the nucleus of the solitary tract (nTS) due to chemoreflex stimulation with acute hypoxia (AH) is independent of hypoxia-induced changes in arterial blood pressure (ABP). *FASEB Journal*, **2011**, 25, 1076.14 0.9
- 3 Increase in renal sympathetic nerve activity and hypertension in rats with chronic femoral artery occlusion. *FASEB Journal*, **2013**, 27, 689.1 0.9
- 2 Functional evidence for increased nitric oxide involvement in cardiovascular and autonomic modulation by the PVN in conscious HU rats. *FASEB Journal*, **2013**, 27, lb837 0.9
- 1 Catecholaminergic neurons projecting to the paraventricular nucleus (PVN) of the hypothalamus are essential for adjustments to respiratory challenges. *FASEB Journal*, **2013**, 27, 697.20 0.9